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N/D



**Hg Cleaning Solution-102 (HgCS-102)**  
(Catalog # RP-103)  
General Information - Application Information - MSDS

- I. **HgCS-102** is specifically formulated to clean mercury from concrete, metal and plastic surfaces. Before using the product, all debris should be removed from the surface to be cleaned. Once this is accomplished, the following steps should be taken.
- II. Application instructions are as follows:
  - A. Apply **HgCS-102** by spraying, painting, etc., so that the chemical comes in contact with all surfaces to be cleaned. To clean pipe and tubing, spray product on all surfaces to be cleaned.
  - B. If possible, the surface should then be brushed to agitate the product to enhance cleaning. This may not be possible with pipe and tubing. Using high pressure when applying product will be helpful.
  - C. Allow the material to be in contact with the surface to be cleaned for approximately 15 (fifteen) minutes. For highly contaminated surfaces or where there is heavy sludge in pipe or tubing, allow a set time of 20 to 25 minutes. For subsurface cleaning allow 1(one) our set time.
  - D. **HgCS-102** can be removed with high pressure water or steam. If in an area where this is not possible, simply clean by applying water and wiping with absorbent cloths.
  - E. Effluent should be collected and disposed of in accordance with applicable State or Federal Regulations.
  - F. If more than one application is needed, repeat steps A through E.

**Note:** When cleaning pipe or tubing, the solution may be used more than once if contamination level of the solution is low.

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(Catalog # RP-103)  
General Information - Application Information - MSDS

I Product: Hg CLEANING SOLUTION (HgCS-102)	
Description: Clear Liquid Manufacturer:  <b>Chemical Solutions Int'l. Corp.</b> <b>P.O. Box 891185</b> <b>Houston, TX 77289-1185</b>	Date Prepared: September 2003. Emergency Telephone No. <b>(281) 992-3031</b> <b>(800) 424-4804</b> E-mail: <a href="mailto:jimarnold@chemicalsolutionsintl.com">jimarnold@chemicalsolutionsintl.com</a> Home Page: <a href="http://www.chemicalsolutionsintl.com">www.chemicalsolutionsintl.com</a>

**II Health Hazard Data:**

Health Hazards (Acute & Chronic)  
EYES: May cause discomfort.  
SKIN: Concentrate will dry out and chap sensitive skin as would detergent.  
INHALATION of fumes may upset stomach.

SIGNS AND SYMPTOMS OF EXPOSURE:  
EYES: Tearing, redness, blurred vision.  
SKIN: Dryness, redness, chapping.

FIRST AID: EYES: Flush 15 minutes with water.  
SKIN: Wash with soap and water.  
INHALATION: Move to fresh air. Apply artificial respiration if breathing has stopped.  
INGESTION: Do not induce vomiting. If any irritation persists, seek medical attention.

**III Precautions for Safe Handling & Use:**

If material is spilled, remove leaking package to safe area. Flush with water.  
Disposal: Any approved method for dilute cleaner.  
Surfactants are highly biodegradable.

**IV Physical Data:**

pH.....10.5  
Solubility in water..... 100%  
Boiling Point..... 212°F  
Vapor Pressure/Density..... Same as water  
Evaporation Rate (Butyl Acetate=1).....<1  
Appearance & Odor: Clear liquid with medium viscosity and cleaner odor.  
Specific Gravity.....1.06

**V Hazardous Ingredients:**

Hg Cleaning Solutions is a proprietary formulation which contains small amounts of minerals and organics. This product should be handled accordingly. Complies with OSHA 29 CFR XVIII-1910.1200 Section (I) "Trade Secrets" hazardous. Contains no hazardous components under current OSHA definitions.

**VI Special Protection & Precautions:**

Hygienic Practices: Wash after each shift. Remove and wash contaminated clothing before re-used.  
Work Practices: Wear goggles or face shield. Rubber gloves.  
Other Protective Clothing: Long sleeved shirt buttoned at neck is desirable. Rubber boots.

**VII Reactivity Data:**

Stable under normal use and storage conditions.  
Incompatible with strong oxidizing agents.  
Hazardous decomposition or byproducts - oxides of carbon.

**VIII Fire & Explosion Data:**

Flash Point/Method Used..... None/COC.

**IX Control Measures:**

Respiratory Protection: Not Necessary.  
Ventilation: Local Exhaust/Desirable.  
Mechanical/Recommened in congested areas.

(Complies with OSHA 174, Sep. 1985.)

**HMIS CODE: Health 1****Flammability 0****Reactivity 0****Personal Protection B**

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